

**METHOD AND SYSTEM FOR MACHINE-AIDED  
RULE CONSTRUCTION FOR EVENT MANAGEMENT**

**Abstract of the Disclosure**

Methods and systems are described for learning correlation rules used in event management. In one aspect of the invention, a method comprises the steps of: (a) marking one or more event groupings; (b) employing a machine learning program to learn the underlying concept of these groupings; (c) including a rule right-hand side; and (d) putting the new rule in the Rule DB. A system to implement this method may comprise components for: (1) interactive visualization and user interface control; (2) query-based learning; (3) Event DB access; and (4) correlation Rule DB access.

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